

**Additional file 5.** DIGE experimental design.

Gel #	CyDye			Protein/IEF gel strip
	Cy3	Cy5	Cy2 (internal standard pool)	
1	50 µg BC1	50 µg BS1	6.25 µg each of BC1+BC2+BC3+BC4 BS1+BS2+BS3+BS4	150 µg
2	50 µg BC2	50 µg BS2	6.25 µg each of BC1+BC2+BC3+BC4 BS1+BS2+BS3+BS4	150 µg
3	50 µg BS3	50 µg BC3	6.25 µg each of BC1+BC2+BC3+BC4 BS1+BS2+BS3+BS4	150 µg
4	50 µg BS4	50 µg BC4	6.25 µg each of BC1+BC2+BC3+BC4 BS1+BS2+BS3+BS4	150 µg

BC1 – control sample 1, BC2 – control sample 2, BC3 – control sample 3, BC4 – control sample 4

BS1 – salt-treated sample 1, BS2 - salt-treated sample 2, BS3 - salt-treated sample 3, BS4 – salt-treated sample 4